FY17 Vermont Better Roads Grant Application

Please complete this page ONCE and return with your Grant Category Application(s)

Town/Organization: Somerset Contact Person(s): Robert Faley

Address: 359 Bowen Rd. (*Street Address*) Bennington, VT (*Town*) 05201 (*Zip*)

Email: Robert.Faley@vermont.gov Phone: (802) 447-2790

DUNS #: 967895678 Fiscal Year End Month (MM): 06

Accounting System: ☒ Automated ☐ Manual ☐ Combination

Please use the suggested documentation checklist below to ensure that all of the relevant items regarding your application have been included.

Grant application cover sheet (Only submit one)
Grant application form (One per category/project)
Itemized Cost estimate for labor, equipment, and materials (see enclosed Cost Estimate Worksheet). If applicable, please break down funding by source (i.e. different grant sources)
Project Location Map (please show location of affected water)
Sketch of proposed erosion control measures or other management practices, including distances in feet
    Also show approximate location of town/other right-of-way and/or property lines
Photo(s) of the project area
Letters of Support (RPC, VTrans District Technical Staff, ANR Rivers and Streams Engineers, etc.)
If Category C River/Road Conflict or Category D River/Stream Structure or Culvert, you must attach ANR/ACOE consultation

#1

Vermont Better Roads Grant Program Application

Please complete one application per category and/or project you are applying for. You may make copies of the application for multiple applications per category and/or multiple categories.

Please check the Category you are applying for:

B. Correction of a Road Related Erosion Problem and/or Storm water Mitigation Retrofit for both gravel and paved roads

C. Correction of a Stream Bank or Slope Related Problem

D. Structure/culvert upgrades

Town/Organization: Somerset

Project Name: Replace deteriorated culvert.

Road Name: Somerset Rd TH #: 1 Structure # (if applicable): _____

Road Type: Paved or Unpaved (circle one) Curbed or Uncurbed (circle one)

Class 1 Class 2 Class 3 Class 4 (circle one)

Watershed: Deerfield River.

Please provide a thorough description of the problem (ex. Roadway has steep slope with no ditch which is causing roadway erosion):

Culvert failure is causing ditch line water to build up and cross roadway, causing erosion of road surface and allowing movement of sediments and gravel into river. Pipe steel and is under sized with large chunks of asphalt coating being discharged.

Description of Project and how you plan to complete the work (ex. Stone line 500' of ditch by reshaping ditch and stone lining, working from the top of the project down to the bottom):

Ditch area for dewatering into lower culvert. Removal of old 18' ACCMP and install new 24" HDPE corrugated pipe with end section. Stone line ditch inlet to armor walls. Back fill with native soils compacted. Resurface road with gravel where needed.

Expected Effects (+ & -) on water quality (ex. Erosion will be eliminated by placing the stone ditch):

Road surface will need less maintenance after controlling water over flowing roadway. Replacement will allow water to freely flow through culvert and minimize the amounts of sediment entering the river improving water quality and increase the likelihood of microorganisms and aquatic life to pass.

Distance from end of project to nearest water (stream, lake, or storm water system that outlets directly to water). Please circle one: 0-50' 50-250' 250'+

Progress to Date:

None

Is there an emergency reason this project must be completed quickly? If yes, please explain:

Heavy water flow from spring runoff is causing water back up and is removing more road surface each time it floods over. May cause roadway to become unstable and wash out into river.

Has this project been identified through a municipal road inventory, capital budget plan, tactical basin plan, culvert inventory, or other management plan? If yes, please list which.

Yes: Is noted that needs to be corrected on Road Inventory. No

Please list any professionals you may have contacted for assistance with this project (ANR River Management Engineer, Army Corps of Engineers, VTrans District Technical staff, Basin Planner etc.):

VTrans District Technical staff

Is the project located in the town "Right of Way?" Yes, No, Both (if "Both" please explain further).

Yes, this is a class 3 roadway and is a 3 rod road (24.75'.) All work will be in the towns' right of way.

Will the town road crew complete this work? Yes, No, Some (if "some" please explain further).

Work to be done using VTrans work force. Somerset is an Unorganized Town.

Describe how the grant funds will be spent and/or attach a project budget: Cost estimate attached

How do you plan to meet the required 20% match on this grant?:

Town budget for maintenance.

Requested Grant Amount ($20,000 max Category B, $40,000 max Categories C & D): $13,800.80

Estimated Total Project Cost (including 20% local match): $17,251.00

Estimated Completion Date: 10/15/2016

REQUIRED ATTACHMENTS:

Itemized Cost Estimate (labor, equipment, materials)
(For assistance, call Better Backroads at 802-828-4585)
Project Location Map
(Please show location of affected water; 1:12,000 USGS map, if possible)
Sketch of proposed erosion control measures, including:
- Distances (ft.)
- Estimate of waste & borrow quantities
- Approx. location of town/other right-of-way and/or property lines

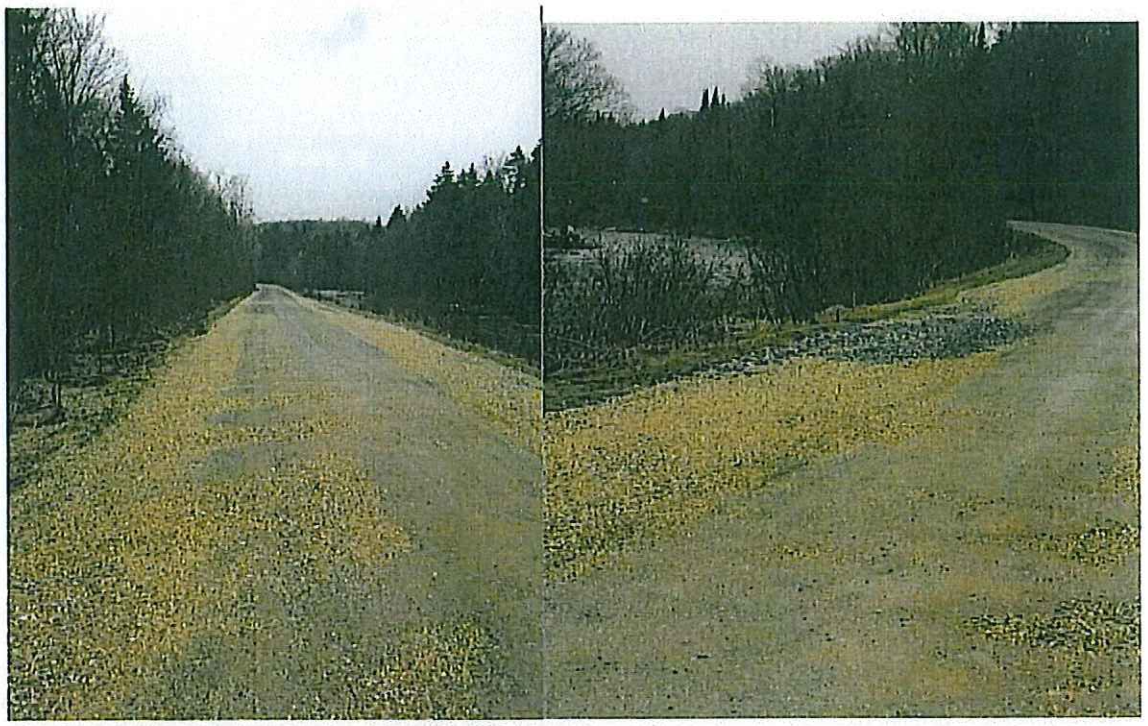
Photo(s) of the project area.
Agreement for Entry and/or Deed of Easement (if project is outside Town ROW).
If project involves stream or river/road conflict, include documentation of consultation with a River Management Engineer.
Other appropriate supporting documents.

By signing this application I certify that all the information provided is accurate to the best of my knowledge. We will comply with all the requirements of the grant including making our books available for audit if required.

SIGNATURE OF APPLICANT: (Must be Town Administrator/Manager or Select Board Chair)

Name: _____ Title DTA - SW REGION

Somerset TH-1 Ditching Estimate 4/12/2016

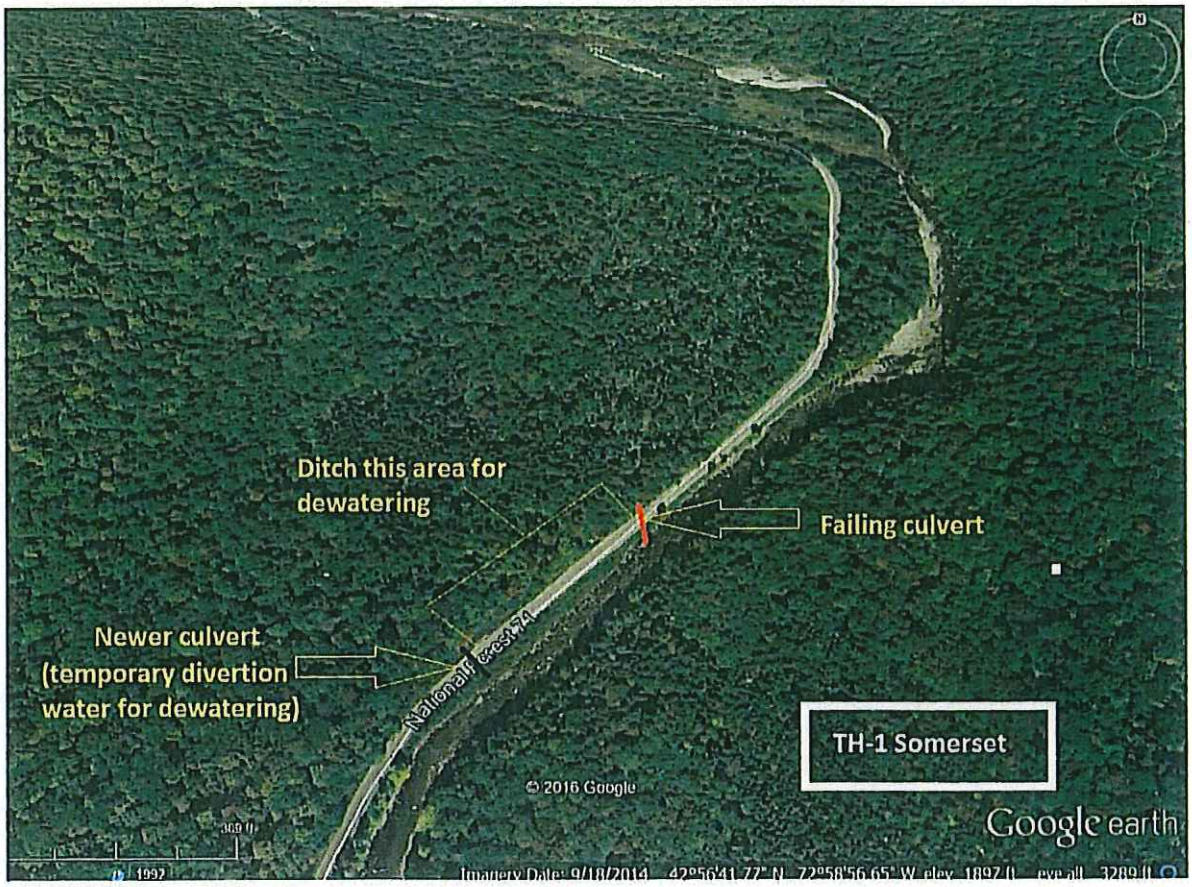


***Roadway washed from failed culvert, water traveled down the road has caused subbase exposure. Note gravel in ditches that has washed.**

Construction quantity and cost estimates

Materials/Equipment	Quantity	Unit	Unit Price	Total Cost
Trucking	40 Hours	2	$185/hour	$7,400.00
Excavator	16 Hours	1	$120/hour	$1,920.00
Roller	4 Hours	1	-	-
Ditching	LF	700	-	-
Loader	10 Hours	1	$115./hour	$1,150.00
Stone Type I	25 CY	-	$25/CY	$625.00
Culvert pipe	LF	60	$16.00 LF	$960.00
End sections	PU	1	$310.00	$310.00
Surface Gravel	64 CY	-	$12./CY	$786.00
Seed & Mulch	-	-	-	$300.00
labor	10 Hours	2	$65/hour	$1,300.00
Traffic control	-	-	-	$2,500.00
Total				**$17,251.00**

Construction Notes: Construction specification and guidelines for ditching maintenance - See *Vermont Better Back Roads Manual 2009, and the 2015 VTrans hydraulic Manual*


Ditch this area for dewatering
Failing culvert
Newer culvert (temporary divertion water for dewatering)
National Grid
TH-1 Somerset
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